

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML		DATE 29-SEP-14	F.R. # 10011102435		SERV. SUPV. Zachary Fagg		
LEASE & WELL NAME O'HARE 2-29-11-57 - API 05123400820000		LOCATION 29-11N-57W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Xtreme Coil #19		TYPE OF JOB Surface			
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD TVD	
Cement Plug, Rubber, Top 9-5/8 in	Cement Basket, Slip On, 9-5/8 in						
	Centralizer, with Fins, 9-5/8 in						
	Float Collar, Ball Valve, 9-5/8 - 8rd						
	Float Shoe 9-5/8 - 8rd						
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	
Fresh Water + 2 lbs Red Dye				0	8.34	0	
Type III Cmt + adds				146	14.5	1.41	
Premium Lite Cmt + adds				400	13	1.81	
Fresh Water				0	8.34	0	
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL		289.05 113.79	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE
12.25	100	1440	8.921	9.625	36	CSG	1440 1440 P-110
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH TOP BTM SIZE THREAD TYPE WGT.
15.	16	65	CSG	70	70	NO PACKER	0 0 9.625 8RND WATER BASED 8.5
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI MAX CSG PSI MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED Operator RATED Operator
110	BBLS	Fresh Water	8.34	900	0	0	0 0 2816 905 RIG
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1 Circulation Rate: 4 BPM			
Mud Density In: 8.5 LBS/GAL Mud Density Out: 8.5 LBS/GAL				PV & YP Mud In: 0 PV & YP Mud Out: 0			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:				Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Displacement And Mud Removal							
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1 BBLS			
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: VISUAL			
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE							
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 14		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID	
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD							
Plugs							
Number of Attempts by BJ: 0 Competition: 0				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT Bottom of Plug: 0 FT			
Squeezes (Update Original Treatment Report for Primary Job)							
BLOCK SQUEEZE <input type="checkbox"/> SHOE SQUEEZE <input type="checkbox"/> TOP OF LINER SQUEEZE <input type="checkbox"/> PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/>							
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL			
Casing Test (Update Original Treatment Report for Primary Job)							
Casing Test Pressure: 1500 PSI With 8.34 LBS/GAL Mud				Time Held: 00 Hours 15 Minutes			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE							

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

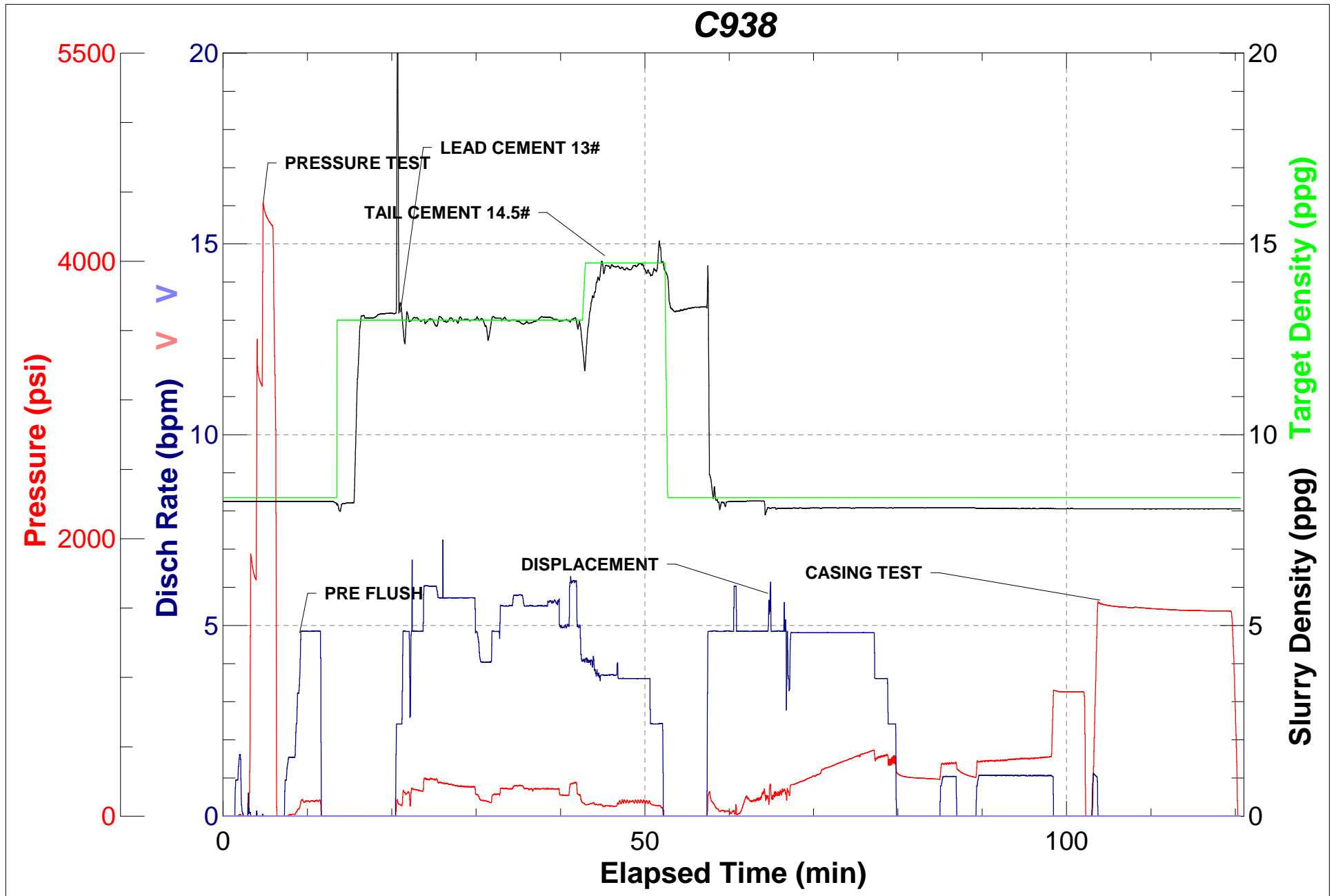
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NONE

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
	PIPE	ANNULUS				TEST LINES 4431 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
08:35	0	0	0	0	N/A	LEAVE DISTRICT
11:05	0	0	0	0	N/A	ARRIVE ON LOCATION
11:09	0	0	0	0	N/A	SPOT TRUCKS
11:25	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING & RIG UP
11:40	0	0	0	0	N/A	SAFETY MEETING
12:04	13	0	1.5	1	H2O	LOAD LINES
12:05	1885	0	0	0	H2O	LOW PRESSURE TEST
12:07	4431	0	0	0	H2O	HIGH PRESSURE TEST
12:10	111	0	4.8	15	H2O	PRE FLUSH W/ DYE
12:17	234	0	5.7	123	CMNT	LEAD SLURRY 13#
12:45	72	0	3.7	27	CMNT	TAIL SLURRY 14.5#
12:55	0	0	0	0	N/A	SHUT DOWN
12:59	0	0	0	0	N/A	DROP PLUG
13:00	478	0	4.8	110	H2O	DISPLACEMENT
13:41	904	0	0	0	N/A	BUMP PLUG
13:44	0	0	0	0	N/A	CHECK FLOATS
13:45	1550	0	1.1	0	H2O	CASING TEST
14:03	0	0	0	0	N/A	SHUT DOWN
14:04	0	0	0	0	N/A	PRE RIG DOWN SAFETY MEETING AND RIG DOWN

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	900	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	25	275	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	





CEMENTING LABORATORY REPORT

Lab Report #C09-103-14

COMPANY :	Carrizo Oil & Gas Inc	DATE:	September 25, 2014
WELL NAME:	O'Hare 2-29-11-57	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-40082-0000	TOC(md):	
DEPTH MD(ft):	1,440 ft	BHST(°F):	109 °F
CASING SIZE("):	9 5/8 in	BHCT(°F):	85 °F
TUBING SIZE("):		BHSqT(°F):	94 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentonite II + 3% CaCl ₂ + 3% NaCl ₂ + 0.04% Static Free + 0.25 pps Cello Flake + 0.5 gals/100 sack FP-6L
#2	Tail Slurry: Type III Cement + 1.5% CaCl ₂ + 0.04 pps Static Free + 0.25 pps Cello Flake + 0.5 gals/100 sack FP-6L
#3	

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			13.00	14.50	
Yield :cu.ft./sk.			1.81	1.41	
Mixing Water: gal/sk.			9.46	6.82	
Water Type:			Fresh	Fresh	
Testing Temperature :			85 °F	87 °F	
Thickening Time: hrs:mins.			5:01	2:21	
Free Water: mls.					
Fluid Loss:ml/30min					
Compressive Strength:					
			hrs.		
			hrs.		
Rheologies			RPM		
			300		
			200		
			100		
			60		
			30		
			6		
			3		
			600		
			PV		
			YP		
Gel Strength : #/100sq.ft.			10 sec.		
			10 min.		

REMARKS :	
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COMMENTS : The above data is supplied solely for informational purposes and BHI makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.



FIELD RECEIPT NO. 10011102435

CUSTOMER CARRIZO OIL & GAS INC XML					CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040003338 - 0040139823-1		INVOICE NUMBER		
MAIL INVOICE TO		STREET OR BOX NUMBER 500 DALLAS STREET, SUITE 2499				CITY Houston		STATE Texas		ZIP CODE 77063			
DATE WORK COMPLETED		MO. 09	DAY 29	YEAR 2014	BHI REPRESENTATIVE Zachary Fagg		WELL API NO: 05123400820000		WELL TYPE : New Well				
DISTRICT PP, BRIGHTON					JOB DEPTH (ft) 1,474			WELL CLASS : Oil					
WELL NAME AND NUMBER O'HARE 2-29-11-57					TD WELL DEPTH (ft) 1,493			GAS USED ON JOB : No Gas					
WELL LOCATION :		LEGAL DESCRIPTION 29-11N-57W				COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Surface			
PRODUCT CODE		DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT		
100112		Calcium Chloride				lbs	1250	1.290	1,612.50	70%	483.75		
100295		Cello Flake				lbs	137	5.100	698.70	70%	209.61		
100404		Sodium Chloride				lbs	947	0.520	492.44	70%	147.73		
121116		Cement Plug, Rubber, Top 9-5/8 in				ea	1	403.200	403.20	70%	120.96		
398224		Premium Lite Cement				sacks	400	27.650	11,060.00	70%	3,318.00		
488019		FP-6L				gals	3	104.250	312.75	70%	93.83		
488449		Bentonite II				lbs	2088	0.440	918.72	70%	275.62		
499632		Granulated Sugar				lbs	50	3.840	192.00	70%	57.60		
499680		Static Free				lbs	20	40.700	814.00	70%	244.20		
499703		Type III Cement				sacks	146	31.700	4,628.20	70%	1,388.46		
		SUB-TOTAL FOR Product Material							21,132.51	70.00%	6,339.76		
A152		Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00		
M100		Bulk Materials Blending Charge				cu ft	732	5.450	3,989.40	70%	1,196.82		
R798		Automatic Density System				job	1	1,990.000	1,990.00	70%	597.00		
		SUB-TOTAL FOR Service Charges							6,189.40	67.62%	2,003.82		
ARRIVE LOCATION :		MO. 09	DAY 29	YEAR 2014	TIME 11:05	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.					SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.		
CUSTOMER REP. BOB MCNEECE					CUSTOMER AUTHORIZED AGENT X								
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED X								
						CUSTOMER AUTHORIZED AGENT							



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PRODUCT CODE		DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
F055A		Cement Pumping, 1001 - 2000 ft				4hrs	1	4,875.000	4,875.00	70%	1,462.50	
F090		Fuel per pump charge - cement				pump/hr	4	70.250	281.00	0%	281.00	
J050		Cement Head				job	1	830.000	830.00	70%	249.00	
J225		Data Acquisition, Cement, Standard				job	1	2,130.000	2,130.00	70%	639.00	
J390		Mileage, Heavy Vehicle				miles	232	11.850	2,749.20	70%	824.76	
J391		Mileage, Auto, Pick-Up or Treating Van				miles	232	6.700	1,554.40	70%	466.32	
		SUB-TOTAL FOR Equipment							12,419.60	68.42%	3,922.58	
J401		Bulk Delivery, Dry Products				ton-mi	3933	3.940	15,496.02	70%	4,648.81	
J404		Bulk Delivery, Return of Unused Mtls				ton-mi	593	3.940	2,336.42	70%	700.93	
		SUB-TOTAL FOR Freight/Delivery Charges							17,832.44	70.00%	5,349.74	
		FIELD ESTIMATE							57,573.95	69.40%	17,615.90	
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CUSTOMER REP. BOB MCNEECE					CUSTOMER AUTHORIZED AGENT					CUSTOMER AUTHORIZED AGENT X		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS										BHI APPROVED X		